

Title (en)  
FITTING FOR PREVENTING DEFORMATION

Title (de)  
BESCHLAG ZUR VERHINDERUNG VON VERZERRUNGEN

Title (fr)  
ACCESSOIRE POUR EMPÊCHER LA DÉFORMATION

Publication  
**EP 3705767 A4 20210407 (EN)**

Application  
**EP 19835220 A 20190612**

Priority  
• KR 20190010044 A 20190125  
• KR 20190053041 A 20190507  
• KR 2019007057 W 20190612

Abstract (en)  
[origin: EP3705767A1] A valve having a streamlined fluid flow space is disclosed. The valve includes a main body and an opening-closing member, a fluid flow space through which fluid flows is formed inside the main body, the opening-closing member opens or closes flow of the fluid. Here, the fluid flow space has a streamlined shape from an inlet in a direction from the inlet to the opening-closing member or from an outlet in a direction from the outlet to the opening-closing member.

IPC 8 full level  
**F16L 23/00** (2006.01); **F16L 9/147** (2006.01); **F16L 23/02** (2006.01); **F16L 23/032** (2006.01); **F16L 41/02** (2006.01)

CPC (source: EP)  
**F16L 9/147** (2013.01); **F16L 23/02** (2013.01); **F16L 23/032** (2013.01); **F16L 41/02** (2013.01); **F16L 41/026** (2013.01)

Citation (search report)  
• [XYI] JP 6193838 B2 20170906  
• [XY] CN 105020518 A 20151104 - ZHENJIANG YINGFANG PLASTIC CO LTD  
• [A] US 4733889 A 19880329 - HAINES EDWIN L [US]  
• See also references of WO 2020153545A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3705767 A1 20200909; EP 3705767 A4 20210407; WO 2020153545 A1 20200730**

DOCDB simple family (application)  
**EP 19835220 A 20190612; KR 2019007057 W 20190612**